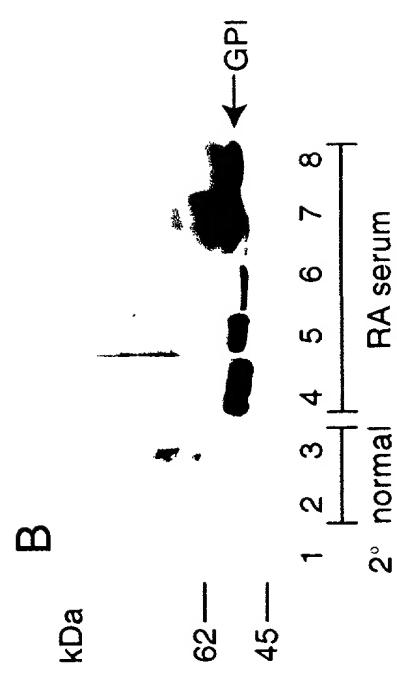


Fig. 1A

Fig. 1B



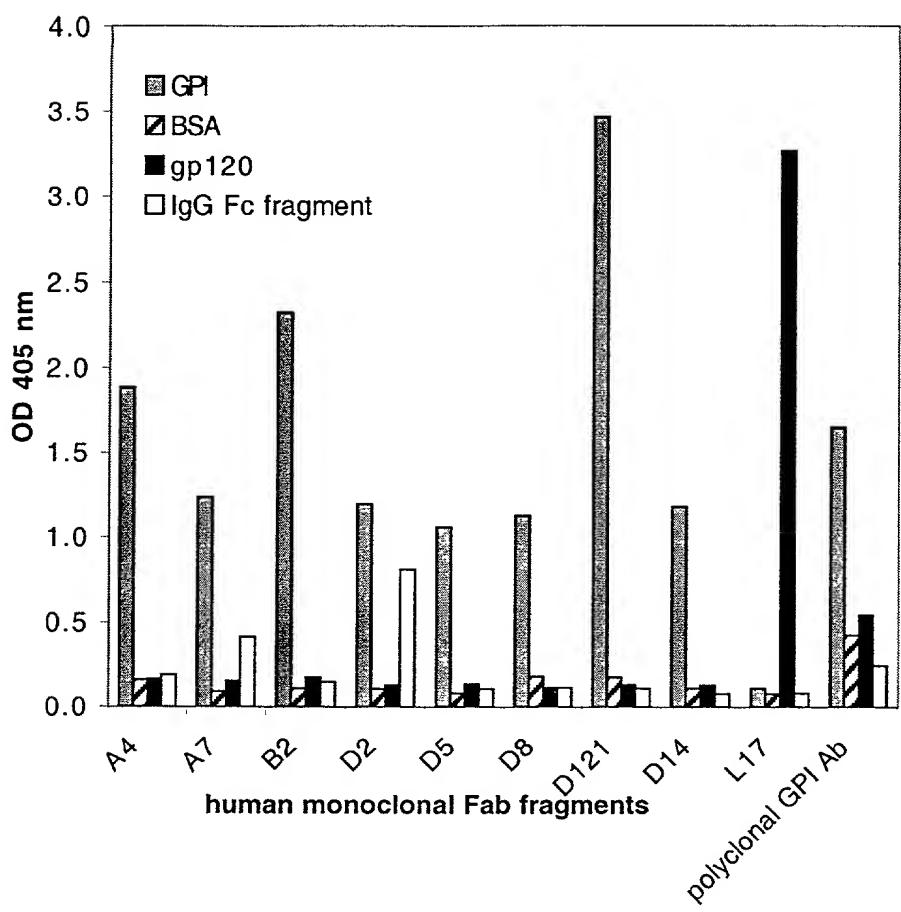


Fig. 2

**FIG. 3AL**  
**Light Chain Variable AA Sequences**

Name	SEQ ID NO:	FR1	CDR1	FR2
A4	1	PDSLAVSLGERATINC	KSSQSVFYITSNNKNYLA	WYQQKPGQPPKLLIY
D2	2	PSFLSASVGDRVTIC	RASQGISSYLA	WYQLKPGKAPKLLIY
D121	3	PGTLSLSPGERATLSC	RASQSVSSSYLA	WYQQKPGQQAPRLLIY
B2	4	PDSLAVSLGERATINC	KSSQSVFYITSNNKNYLA	WYQQKPGQPPKLLIY
D14	5	PGTLSLSPGEGATLSC	RASQSVSSSYLA	WYQQRPGQAPRLLIY
D5	6	PGTLSLSPGEGATLSC	RASQSVSSSYLA	WYQQKPGQAPRLLIY
A7	7	PGTLSLSPGERVTLSC	RASQSVSSSYLA	WYQQKPGQAPRLLIY
Name	CDR2	FR3	CDR3	FR4
<u>cont'd</u>				
A4	WASTRES	GVPDRFSGSGSGTDFLTISLQAEVDVAVYYC	QQYYDSYT	FGQGTKEIKRTVA
D2	AASTLQS	GPSPRSFGSGSGCTEFITLTISLQPEDFATYYC	QQLNSYPLT	FGGGAKVGRRTVA
D121	GASSRAT	GIPDRFSGSGSGTDFLTISRLPEPDFAVYYC	QQYGSSPRT	FGQGTKVEIKRTVA
B2	WASTRES	GVPDRFSGSGSGTDFLTISLQAEVDVAVYYC	QQYYDSYT	FGQGTKEIKRTVA
D14	GASSRAT	GIPDRFSGSGSGTDFSFITISLQPEDTGTYC	QQYDNVPDT	FGQGTRLEIKRTVA
D5	GASSRAT	GIPDRFSGSGSGTDFLTISRLPEPDFAVYYC	QQYGTSP	FGQGTRLEIKRTVA
A7	GASSRAT	GIPDRFSGSGSGTDFLTISRLPEPDFAVYYC	QQYGSSPRT	FGQGTRKVEIKRTVA

**FIG. 3AH**  
**Heavy Chain Variable AA Sequences**

Name	SEQ_ID NO.	FR1	CDR1	FR2	CDR2
A4	8	GGVVQPGRSLLKLSCAAASGFTFS	SHGSH	WVRQAPGKGLEWVA	LSSSDGSNKFYIESVKG
D2	9	.....AW...LR...V.....	..TM.	.....	..TM.
D121	10	.....R.....	.YTF.	.....	V.I.Y..NK.Y.AD....
B2	11	GAEVRKPGTSVRISCRASGNFT	GHHIH	WVRQAPGQGLQWMG	RINPTGGVSLAQSFDQD
D14	12	GGGLVQPGSLLRISCATSGFIFN	SYAMN	WVRQAPGKGLEWVS	RISGNSGSTFYADSVKG
D5	13	GPGLVVRPSPQLSITCPVSPGSIK	GDSYFWS	WVRQPVGKGLEWIG	RIYGRGTTNYNRVFGS
A7	14	GAEVKPKGSSVKVSCRASGGTFS	RYAIS	WVRQAPGQGLEWMG	GIIPFGPVNAYAQKFQG
Name	cont'd	FR3	CDR3	FR4	VH gene
A4	RFTISKDNISKNTLYLQMNSLRIDDTAVYYCAI	SLVGTTAFNY		WGQGTLVTVSS	VH3
D2	.....R.....LS.....PE.....TN	E...A...D.		.....	VH3
D121	.....VE.....	I.....		.....	VH3
B2	RVSLTRDRSSNTVFILESGLTTEEDTALYFCAR	PREFMIREPLDL		WGQGTVVTVSS	VH1
D14	RFTISRDNSKNTAFLRMNSQRRAEDTAVYYCAK	DLSSGAYYYGMDV		WGQGTTVTVSS	VH3
D5	RVSMSVDMRSQQFILELRDVTAAADTAVYYCAR	DKGSEYSYFDP		WGQGIVVNVFS	VH4
A7	RVTITADDSTNTAYMGLSSLRGDTAVYYCAR	VAYDGSGYYNNNIPKIIYYSYMID	V	WGKGTTVTVSS	VH1

...Q...P...V...A...R...G...S...C...K...L...I...S...C...A...S...G...F...T...S  
 ...Q...P...V...A...R...G...S...C...K...L...I...S...C...A...S...G...F...T...S  
 ...Q...P...V...A...R...G...S...C...K...L...I...S...C...A...S...G...F...T...S

FIG. 3B

Name	SEQ ID NO:	FR1	FR2	CDR1	CDR2
A4	8	GGGVVQPGRSIQLISCAASGFTES	WVRQAPGKGLEWVA	SHGSH	LISSSDGSNKFYIESVKG
D2	9	.....AW...LR....V.....	.....TM.	.....TM.	.....TM.
D121	10	.....R.....	.....YTF.	.....VI.	.....NK.
DP-46		.....R.....	.....YAM.	.....VI.	.....AD.
B2	11	GAEVRKPGTSVRISCRASGNTFT	WVRQAPGQGLQWMG	GHHIH	RINPTGGVSLAQSFQD
DP-7		.....K...A...KV...K...Y.....	.....E...	SYMH	I...S...ST.Y.K.G
D14	12	GGGLIVQPGGSLRLSCATSGFIFN	WVRQAPGKGLEWVS	SYAMN	RISGNSGSTFYADSVKG
VH26		.....A...T.S.....	.....S	.....A	A...SG...Y.....
D5	13	GPGIVRPSQTLSLTCPVSPGSIK	WVRQPVGKGLEWIG	GDSYFWS	RIYGRGTTNYNRVFGS
IGHCAK		.....K.....T.G...S	.....I...	SG...Y..	...TS...S.....PSLK.
A7	14	GAEVKKPGSSVKVSCRASGGTFS	WVRQAPGQGLEWMG	RYAIS	GIIPPFGPVNYAQKFQG
VH1-69		.....K.....	.....S	.....I...	...TA.....

Name	SEQ ID NO:	FR1	FR2	CDR1	CDR2
A4	8	GGGVVQPGRSIQLISCAASGFTES	WVRQAPGKGLEWVA	SHGSH	LISSSDGSNKFYIESVKG
D2	9	.....AW...LR....V.....	.....TM.	.....TM.	.....TM.
D121	10	.....R.....	.....YTF.	.....VI.	.....NK.
DP-46		.....R.....	.....YAM.	.....VI.	.....AD.
B2	11	GAEVRKPGTSVRISCRASGNTFT	WVRQAPGQGLQWMG	GHHIH	RINPTGGVSLAQSFQD
DP-7		.....K...A...KV...K...Y.....	.....E...	SYMH	I...S...ST.Y.K.G
D14	12	GGGLIVQPGGSLRLSCATSGFIFN	WVRQAPGKGLEWVS	SYAMN	RISGNSGSTFYADSVKG
VH26		.....A...T.S.....	.....S	.....A	A...SG...Y.....
D5	13	GPGIVRPSQTLSLTCPVSPGSIK	WVRQPVGKGLEWIG	GDSYFWS	RIYGRGTTNYNRVFGS
IGHCAK		.....K.....T.G...S	.....I...	SG...Y..	...TS...S.....PSLK.
A7	14	GAEVKKPGSSVKVSCRASGGTFS	WVRQAPGQGLEWMG	RYAIS	GIIPPFGPVNYAQKFQG
VH1-69		.....K.....	.....S	.....I...	...TA.....

Name cont'd

A4	FR3 RFTISKDNSKNTLYLQMNSLRIDDTAVYYCAR	CDR3 SIVVGTTAFNY	FR4 WGQGTLVTVSS	VH gene VH3
D2	... R ... LS ... PE ... TN	... E ... A ... D.	...	VH3
D121	... ... ... VE ...	... I ...	...	VH3
DP-46	... R ... AE ... R	... . . . .	...	
B2	RVSLTRDRSSNNTVFILESGLTEEDTALYFCAR	PRFNMIREFPLDL	WGQGTVTVSS	VH1
DP-7	... TM ... T . TS .. YM .. S.R.S .. V.Y ..	DLSSGAYYYGM	WGQGTVTVSS	VH3
D14	RFTISRDNSKNTAFLRMNSQRAEDTAVYYCAK	DV	...	
VH26	... . . . . LY.Q ... L ... . . . .	DKGSEYSYFDP	WGQGIVVVNVFS	VH4
D5	RVSMSVDMRSQFFLELRDVTAADTAVYYCAR	...	...	
IGHCAK	... TI ... T . KN .. S.K . SS .. . . . .	...	...	
A7	RVITITADDSTNTAYMGLSSLRGDTAVYYCAR	VAYDGSGYYNNI	WGKGTVTVSS	VH1
VH1-69	... . . . . K . S .. . . E .. . . . .	PKIYYYSYMDV	...	

FIG. 3B CONT'D

FIG. 3C

Clone	Closest Germline	% amino acid homology	% nucleotide homology	R/S ratio FRs	R/S ratio CDRs
A4	DP-46	86	89	6/6:1.0	12/5:2.4
D2	DP-46	87	92	8/6:1.3	4/5:0.8
D121	DP-46	91	95	2/4:0.5	7/0:>7.0
B2	DP-7	67	79	20/17:1.2	<u>14/5:2.8</u>
D14	VH26	87	93	7/3:2.3	<u>5/2:2.5</u>
D5	IGHCAK	73	81	17/16:1.1	13/4:3.3
A7	VH1-69	90	94	7/2:3.5	5/0:>5.0

**FIG. 4A**  
**CDR's Heavy Chain**

SEQ ID	CDR1	SEQ ID	CDR2	SEQ ID	CDR3
NO:	NO:	NO:	NO:	NO:	NO:
15 SHGSH	22	LLSSDGSNKFYIESVKG	29	SLVGGTTAFNY	
16 ..TM.	23	.IFY.....Y.AD....	30	.E...A...D.	
17 .YTF.	24	VI.Y..NK.Y.AD....	31	.I.....	
18 GHIIH	25	RINPTGGVSLAQSFQD	32	PRFNMIREPPLDL	
19 SYAMN	26	RISGNSSGTFFYADSVKG	33	DLSSGAYYYYGMDV	
20 GDSYFWS	27	RIYGRGTITNNRNFGS	34	DKGSEYSYFDP	
21 RYAIIS	28	GIIPPFGPVNHYAQKFQG	35	VAYDGSGYYNNNIPKIYYYSYM DV	

SEQ ID	CDR1	SEQ ID	CDR2	SEQ ID	CDR3
NO:	NO:	NO:	NO:	NO:	NO:
36 KSSQSVFYTTSNNKNYLA	43	WASTRES	50	QQYYDSYT	
37 RASQGISSYLA	44	AASTLQS	51	QQLNSYPLT	
38 RASQSVSSSYLA	45	GASSRAT	52	QQYGSSPRT	
39 KSSQSVFYTTSNNKNYLA	46	WASTRES	53	QQYYDSYT	
40 RASQSVSSSYLA	47	GASSRAT	54	QQYDNVPDT	
41 RASQSVSSSYLA	48	GASSRAT	55	QQYGTSPPL	
42 RASQSVSSSYLA	49	GASSRAT	56	QQYGSSPRT	

**FIG. 4B**  
**Framework Regions, Heavy Chain**

SEQ ID	FR1	SEQ ID	FR2
NO:		NO:	
57	GGGVVQPGRSIQLSCAASGFTFS	64	WVRQAPGKGLEWVA
58	.....AW...LR...V.....	64	.....
59	.....R.....	64	.....
60	GAEVRKPGTSVRISCRASGNTFT	65	WVRQAPGQGLQWMG
61	GGGLVQPGGSILRSCATSGFIFN	66	WVRQAPGKGLEWVS
62	GPGLVVRPSQTLSLTCPVSPGSIK	67	WVRQPVGKGLEWIG
63	GAEVKKPSSVKVSCRASGGTFS	68	WVRQAPGQGLEWMG
SEQ ID	FR3	SEQ ID	FR4
NO:		NO:	
69	RFTISKDN SKNTLQLQMNSLRIDDTAVYYCAI	76	WGQGTLVTVSS
70	.....R.....LS.....PE.....TN	76	.....
71	.....	76	.....
72	RVSLLTRDRSSNTVFILESGLTEEDTALYFCAR	77	WGQGTVVTVSS
73	RFTISRDN SKNTAFLRMNSQRAEDTAVYYCAK	78	WGQGTTTVTVSS
74	RVSMSVDMSRSQFFLELRDVTAAADTAVYYCAR	79	WGQGIVVVNVFS
75	RVTITADDSTNTAYMGLSSLRSGDTAVYYCAR	80	WGKGTTTVTVSS

WYQQKPGQPPKLLIY  
WYQLKPGKAPKLLIY  
WYQQKPGQAPRLLIY  
WYQQKPGQPPKLLIY  
WYQQRPGQAPRLLIY  
WYQQKPGQAPRLLIY  
WYQQKPGQAPRLLIY

**FIG. 4B cont'd**  
**Framework Regions, Light Chain**

SEQ ID NO:	FR1	SEQ ID NO:	FR2
81	PDSLAVSLGERATINC	88	WYQQKPGQPPKLLIY
82	PSHLSASVGDRVITIC	89	WYQLKPGKAPKLLIY
83	PGTLSLSPGERATLSC	90	WYQQKPGQAPRLLIY
84	PDSLAVSLGERATINC	91	WYQQKPGQPPKLLIY
85	PGTLSLSPGEGATLSC	92	WYQQRPGQAPRLLIY
86	PGTLSLSPGEGATLSC	93	WYQQKPGQAPRLLIY
87	PGTLSLSPGERVTLSC	94	WYQQKPGQAPRLLIY
SEQ ID NO:	FR3	SEQ ID NO:	FR4
95	GVPDRFSGSGSGTIDFTLTISLQAEDVAVYYC	102	FGQGTKLEIKRTVA
96	GVPDRFSGSGSGSGTEFTLTISSLQPEDFATYYC	103	FGGGAKVGIRRTVA
97	GIPDRFSGSGSGSGTIDFTLTISRLPEPDAVYYC	104	FGQGTKVEIKRTVA
98	GVPDRFSGSGSGTIDFTLTISLQAEDVAVYYC	105	FGQGTKLEIKRTVA
99	GIPDRFSGSGSGTDFSFTISSLQPEDTGTYYC	106	FGQGTRLEIKRTVA
100	GIPDRFSGSGSGTIDFTLTISRLPEPDAVYYC	107	FGQGTRLEIKRTVA
101	GIPDRFSGSGSGTIDFTLTISRLPEPDAVYYC	108	FGQGTKVEIKRTVA

CCAGACTCCCTGGCTGTCTGGCGAGAGGCCACCATCAACTGCAAGTCCAGGCCACTTACACTTCCAAACAATAA  
GAACTAACCTAGCTTGGTACCAAGCAGAAACCAGGCCAGCCCTCCTAAAGTGTGCTCATTACTGGGCATCCACCCGGGAATCCGGGGTCC  
CTGACCCGATTCACTGGCAGGGTCTGGGACAGATTCACTCTCACCATCAGCAGCTGCAGGCTGAAGATGTGGCAGTTATTAC  
TGTCAAGCAATATTATGATTCTGTAACATTTCAGGCCAGGGACCAAGCTGGGAGATCAAACAGAACACTGTGGCT

A4 – SEQ ID NO:112

CCATCCTTCCTGGCTGTCACTCTGAGGAGACAGACTCACCATTCACTGCCGGGCCAGTCAAGGCATTAGCAGTTATTAGCCTGGTAT  
CAGCTAAACCGGGGAAAGCCCCTAAAGCTCCTGATCTATGCTGCATCCACATTGCAAAAGTGGTCCCATCAAGGCTTAATAGTT  
TGGATCTGGGACAGAAATTCACTCTCACATAAAGCAGCCCTGAGCCTGAAAGATTTCAGCAACTTACTGTCAACAGCTTAATAGCT  
ACCCTCTCACTTCGGGGAGGGCCAAGGGTGGGATCAAACGAAACTGTGGCT

D2 – SEQ ID NO:113

CCAGGCCACCCCTGCTTGTCTCCAGGGGAAAGAGGCCACCCCTCTGGCAGGGCCAGTCAGAGTGTAGGCAGCAGCTTACCTTAGCCCTG  
GTACCAAGCAGAAACCTGGCCAGGGCTCCCAAGGCTCCTCACTCTATGGTGCATCCAGCAGGGCCACTGGCATCCCAGACAGGTTCAAGTG  
GCAGTGGGTCTGGGACAGACTTCACCTCACTCTCACCATCAGCAGACTGGAGCCTGAAGATTTCAGTGTATTACTGTCAAGCAGTGTGGCT  
AGCTCACCTGGGACGTTGGCCAAGGGACCAAGGGTGGAAATCAAACGAACCTGTGGCT

D121 – SEQ ID NO:114

CCAGACTCCCTGGCTGTCTGGCGAGAGGCCACCATCAACTGCAAGTCCAGGCCACTTACACTTCCAAACAATAA  
GAACTAACCTAGCTTGGTACCAAGCAGAAACCAGGCCAGCCCTCCTAAAGTGTGCTCATTACTGGGCATCCACCCGGGAATCCGGGGTCC  
CTGACCCGATTCACTGGCAGGGGTCTGGGACAGATTCACTCTCACCATCAGCAGCTGCAGGCTGAAGATGTGGCAGTTATTAC  
TGTCAAGCAATATTATGATTCTGTAACATTTCAGGCCAGGGACCAAGCTGGCAACTTTCAGGCCAGGGAGATGTGGCT

B2 – SEQ ID NO:115

CCAGACTCCCTGGCTGTCTGGCGAGAGGCCACCATCAACTGCAAGTCCAGGCCACTTACACTTCCAAACAATAA  
GAACTAACCTAGCTTGGTACCAAGCAGAAACCAGGCCAGCCCTCCTAAAGTGTGCTCATTACTGGGCATCCACCCGGGAATCCGGGGTCC  
CTGACCCGATTCACTGGCAGGGGTCTGGGACAGATTCACTCTCACCATCAGCAGCTGCAGGCTGAAGATGTGGCAGTTATTAC  
TGTCAAGCAATATTATGATTCTGTAACATTTCAGGCCAGGGACCAAGCTGGCAACTTTCAGGCCAGGGAGATGTGGCT

FIG. 5A

LIGHT CHAIN NUCLEOTIDE SEQUENCE OF ANTI-GPI ANTIBODIES

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

FIG. 5A cont'd

D14 – SEQ ID NO:116

CCAGGCACCCCTGTCATTTGTCTCCAGGGGAAGGGCCACCCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCAGCTACTTAGCCTG  
GTATCAGCAGAGAACCTGGCTCCTCATCTATGGCATTCAGCAGGGCCACCCGCACTGGCATCCAGCAGAGATACTGGACATATTACTGTCAACAATATGAT  
GAAGTGGATCTGGGACAGATTCAAGTTCACCATCAGCAGTCTGCAAGCTGGAGATCAAACGAACACTGTGGCT

D5 – SEQ ID NO:117

CCAGGCACCCCTGTCCTTGTCTCCAGGGGAAGGGCCACCCCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCAGCTACTTAGCCTG  
GTACCAAGCAGAAACCTGGCCAGGGCTCCAGGCTCCTCATCTATGGTCATCCAGTGGCCACTGGCATCCAGCAGAGGTCTCAGTGTG  
GCAGTGGGTCTGGGACAGACTCACTCTACCATCAGCAGACTGGAGCTGAAGAATTTCAGCAGTGTATTACTGTCAAGTGTGGCT  
ACCT ACCCCCTCTCGCCAAGGGACACGGACTGGAGATTAAACGAACACTGTGGCT

A7 – SEQ ID NO:118

CCAGGCACCCCTGTCCTTGTCTCCAGGGGAAGAGTCACCTCTCCTGCAGGGCCAGTCAGAGTGTAGCAGCAGCTACTTAGCCTG  
GTACCAAGCAGAAACCTGGCCAGGGCTCCAGGCTCCTCATCTATGGTCATCCAGCAGGGCCACTGGCATCCAGCAGAGGTCTCAGTGTG  
GCAGTGGGTCTGGGACAGACTCACTCTACCATCAGCAGACTGGAGCTGAAGACTTTGCAGTTTACTGTCAAGTGTGGCT  
AGCTCACCTCGGACGTTGGCAAGGGACCAAGGTGGAAATCAAACGAACACTGTGGCT

FIG. 5B

HEAVY CHAIN NUCLEOTIDE SEQUENCE OF ANTI-GPI ANTIBODIES

A4-H – SEQ ID NO:116

GAGGGCCTGGTCCAGCCTGGGAGGTCCCTGAAACTCTCCCTGGCAGGCCTCTGGATTCACTCAGTAGTCATGGCTCGCACTGGGTC  
CGCCAAGCTCCAGGCAAGGGCTGGAGTGGGACTTTGTCCTCTGA  
GCCGATTCAACCATTCTCCAAAGGACAATTCTAAGAACACACTGTATCTGCAAATGAACAGCCTGAGAAATTGACGACACGGCTGTCTAT  
TACTGTGCGATTCCCTGGGGAAACTACCGCTTTAACACTGGGCTTAACTACTGGGCCAGGGAAACCCCTGGTCACCGTCTCCTCA

D2-H – SEQ ID NO:117

GGCGTGGTCCAAGGCATGGAGGTCCCTAAGACTCTCCTGTGTAGGCCCTGGATTCACTTCAGTAGTCATAACCATGCACTGGTCCG  
CCAGGGCTCCAGGCAAGGGGCTGGGACTTATATCTGAGTGGCTGGGAACTTATATGATGGAAGTAATAATTACTATGCGAGACTCCGTGAAGGGC  
CGATTCAACCATTCTCCAGAGACAATTCCAAGAACACGCTGTATCTGCAATTGAGCAGGCTTAAGACCTGAGGACACGGCTGTCTATTA  
TGTACGAATTCCCGAGGTGGGAGCTACCGCTTTGACTACTGGGCCAGGGAAACCCCTGGTCACCGTCTCAG

D121-H – SEQ ID NO:118

GGGGAGGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTTTCCCTGGCAGGCTCTGGATTCACTTCAGTTCCCTATACTTTCCACTGG  
GTCCGCCAGGGCTCCAGGCAAGGGGCTGGAGTGGCTGAGTGGCAAGTATCATATGATGGAAACAAAGAAAATTACTACGGCAGACTCCGTGA  
AGGGCCGATTCAACCATTCCAGAGACAATTCCAAGAACACTCTATCTGCAAATGAAACAGGCTGTGAGAGITGAGGACACGGCTGT  
TATTACTGTGGATTTCATAAGTGGGAACCTACCGCTTTAACACTGGGCCAGGGAAACCCCTGGTCACCGTCTCCTC

B2-H - SEQ ID NO:119

D14-H - SEQ ID NO:120

GGGGGAGGCCTGGGTCCCTGAGACTCTCCCTGGAACCTCTGGATTCACTCTTAACAGCTATGCCCATATGAACCTGGTCCCGCCAGGCTCAGGGAAAGGGGCTTGTGAGTGGAAATACTGGAAAGCACATTCTACGGCAGACTCCGTTAAGGGCCGGTTCAACCATTCCAAGAACACGGCAGAACAGCCAGAGGCCGAAGAACACGGCCGTTTATTACTGTGCGAAAGATCTGTCCAGTGGTCATACTACTACGGGATGGACGTCCTGGGCAAGGGACACGGTCACCCGTC

D5-H - SEQ ID NO:121

GGCC CAGG ATT GGT GAG GCATCACAGACCTATCCCTCACCTGCACTTCCAGGCTCCATTAAAGGTGATA GTGTTACTCTGG  
AGCTGGGTCCGTCAGCCCCGTAGGGAAAGGGACTGGAGTGGAAGGGACTACGGCAGAGGGACTACGGCAATTACAACCGTGTGTT  
TCGGGAGTCGAGTCAGTCACTGGACATGTCCAGGACTATGAGAGATTTGAGAGATGTGACCGCCAGACAGGCC  
GTCTTATTACTGTGCGAGAGACAAGGGGTCCGAATACTCCTACTTGA CCCCCTGGCCAGGGAA TAGTGCTCAACGTCTTC

FIG. 5B CONT'D

A7-H - SEQ ID NO:122

FIG. 5B CONT'D

GGGCTGAGGTGAAGAAAGCCTGGTCTCGGTGAAGGTCTCCCTGCAGGGCTTCAGCAGATATGCTA  
TCAGCTGGGTGCGACAGGCCCTGGACAAGGGCTTGAGTGGATGGGAGGGATCATCCCTCCCTTGCTCCAGTAAACT  
ACGCACAGAACAGTCCAGGGCAGACTACCGATTACCCGGGACGATTCCACGAACACAGCCTACATGGGTCTGAGCAGCC  
TGAGATCTGGGGACACGGCCGTGTAATTACTGCGCGAAGGTGGCCTATGATGGTAGTGGCTATTACAACAATATCCCA  
AGATCTACTACTCCTACATGGACGTCTGGCAAAAGGGACCACGGTCACCGTGTCTCAGC

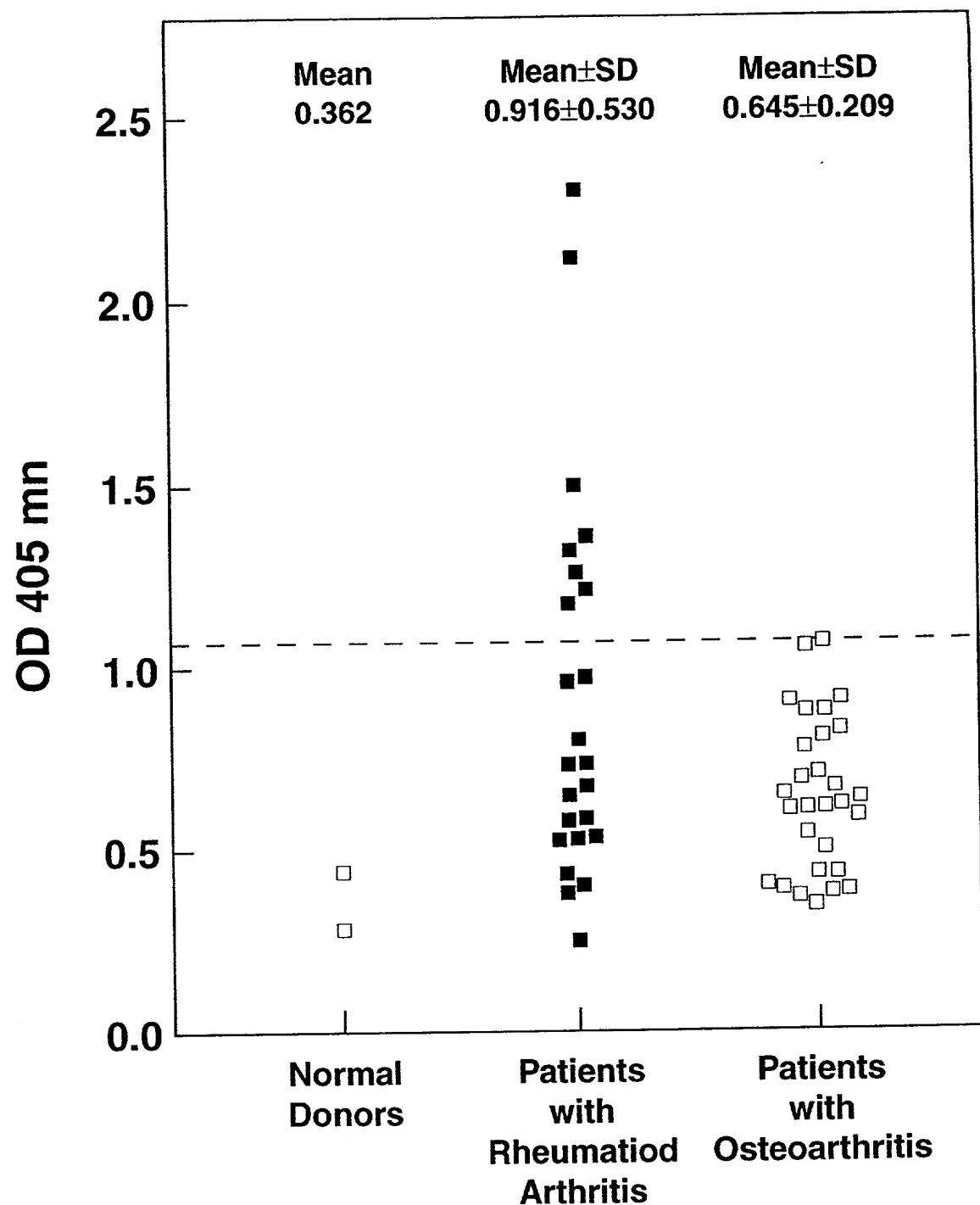


Fig. 6

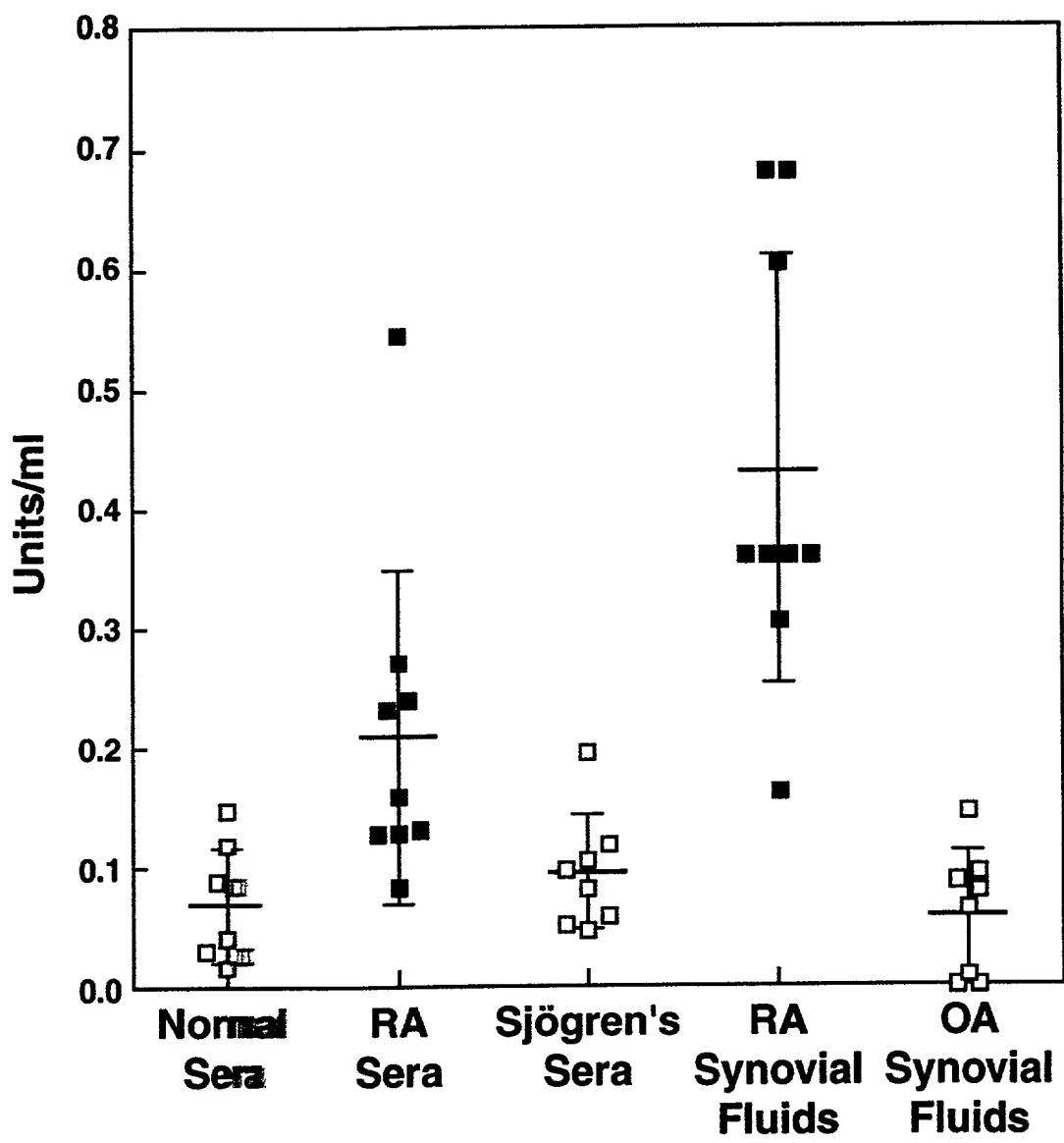


Fig. 1

Fig. 8

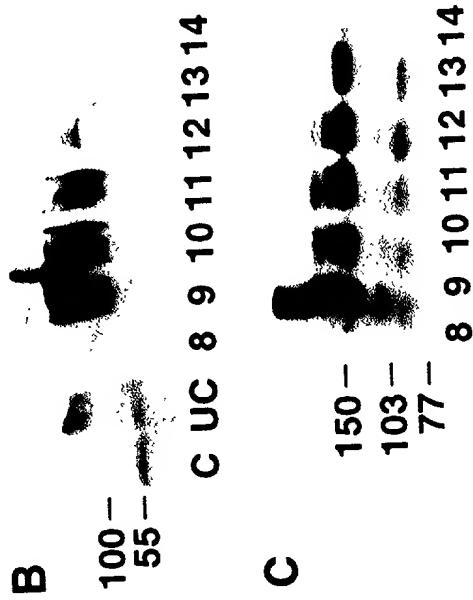
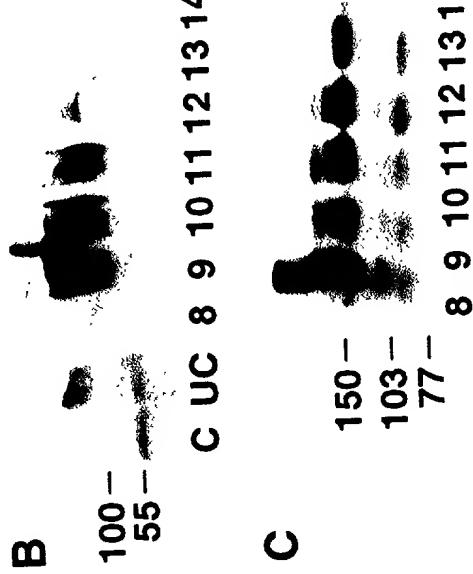
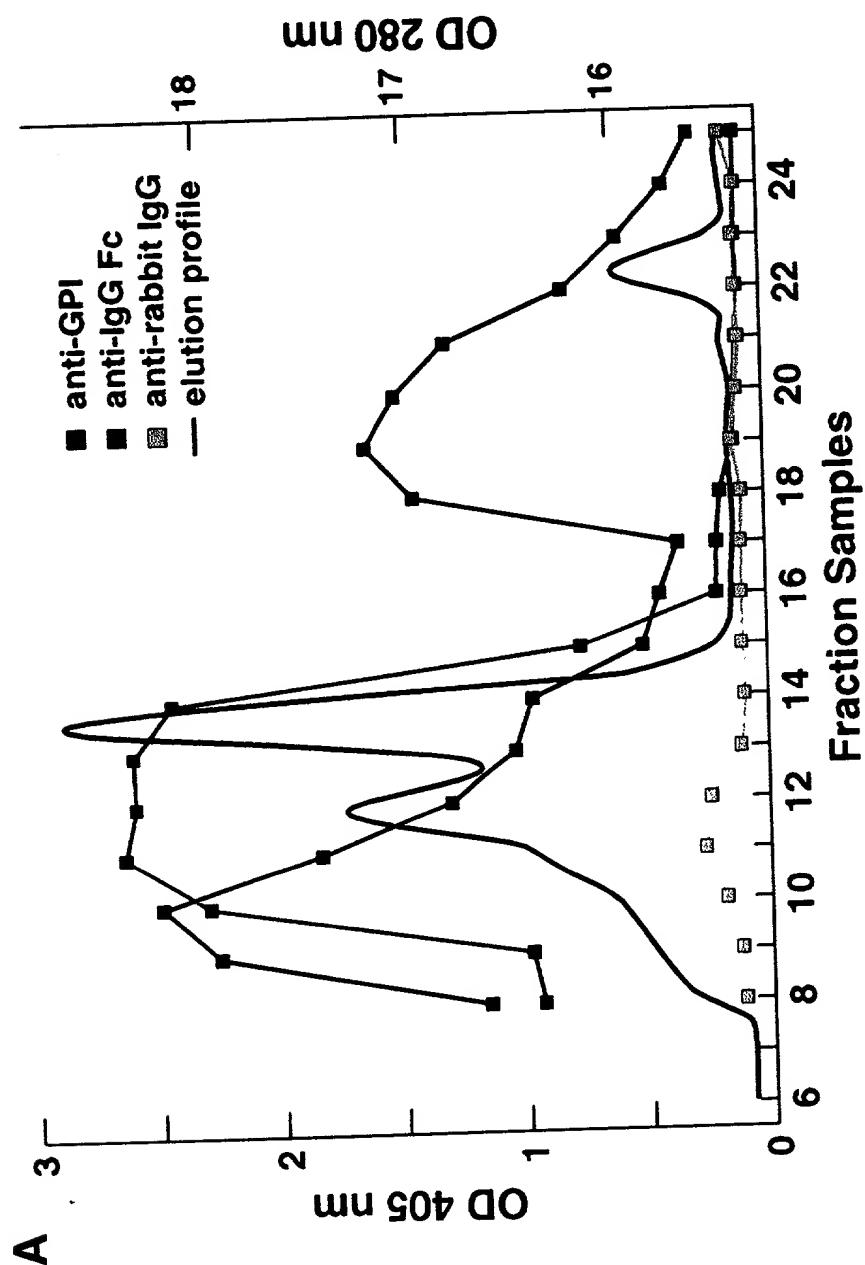


Fig 9

